

Distributed Learning Update

13 August 2004

COL Marty Vozzo

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TRADOC Program Integration Officer

The Army Distributed Learning Program

T A D L P

Training to Win

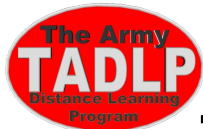
TRADOC Fort Monroe, VA

Agenda

- The Army Distributed Learning Program overview
- Distributed Learning Courseware
- Learning Management System
- Digital Training Facilities & Digital Deployed Training Campuses
- Classroom XXI & Lifelong Learning Centers
- The Army Training Information System (ATIS)
- DL strategic communications
- Summary

Army Distributed Learning

Mission: “To improve readiness by the delivery of standardized individual, collective, and self-development training to soldiers and units any time and any place through the application of multiple means and technologies.”



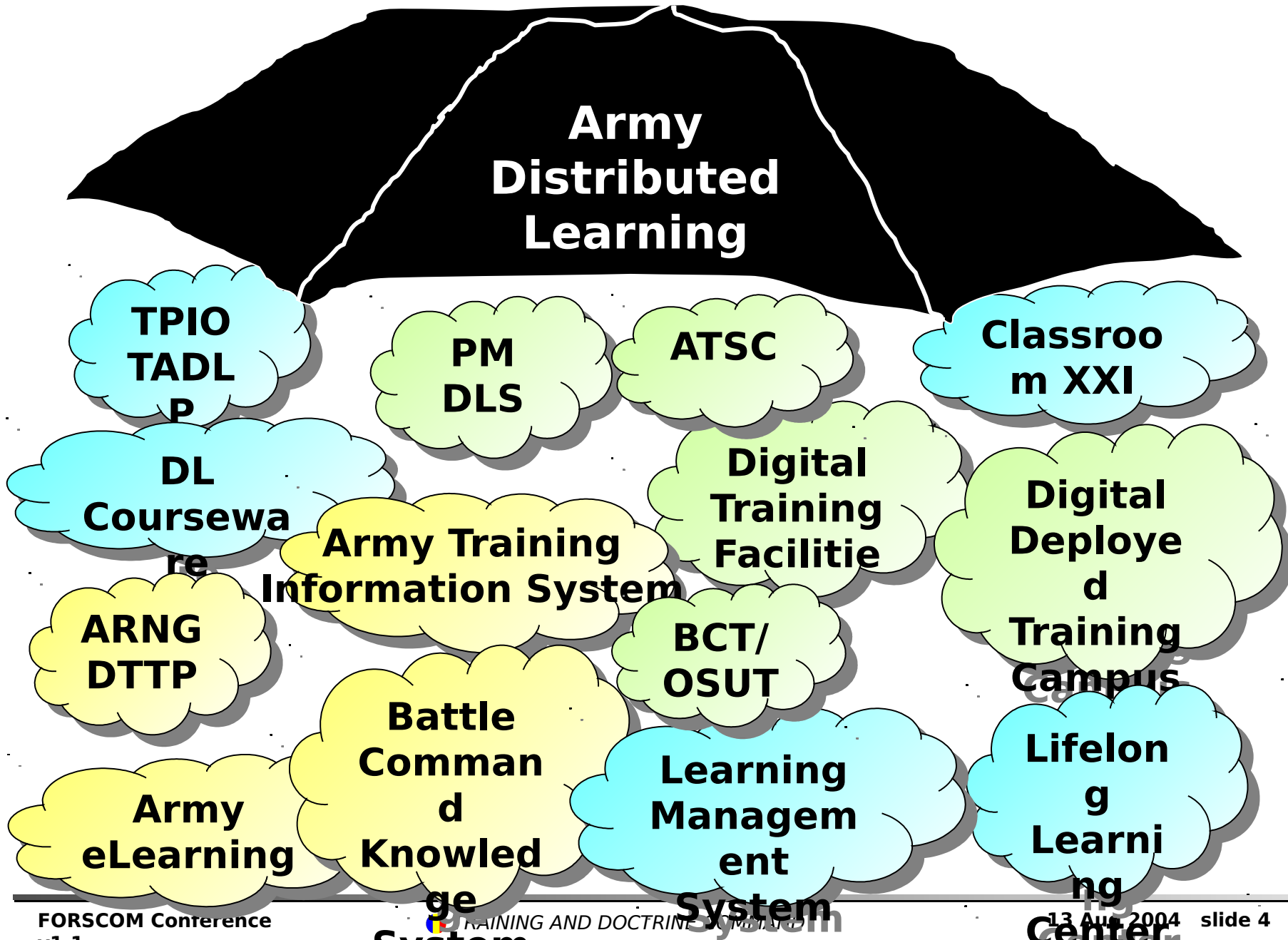
1996

**Supports Army
Transformation
Efforts**



2010

The TADLP Umbrella



Investment in Army Readiness

Training Today

★ **We are executing the plan approved in 1996 as programmed**

TRADOC Managed Courseware

- Total Courseware FY98-04 \$179.9M
- FY04 Funding \$39M
- FY06-11 POM \$289M (validated)

★ Industries and universities are on the same DL azimuth

TADLP Training

Students Trained in FY03: 224,034

Student Seat Hours in FY03: 1,024,269

Reimer Digital Library: ~750K hits a week

The ROI is a better trained soldier at a lower cost while maintaining standards

PEO EIS Managed Acquisition

- Total DLS FY98-04 \$290M
- FY04 Funding \$37M
- FY06-11 POM \$332M
 - funds O&M of 274 DTFs (150 AC, 124 USAR)
- development/fielding and sustainment of Army LMS
- development and fielding of Deployable Campus
- DLS program management

Current Status

- 230 Courses Funded (FY98-04)
 - 17 unit products
- 267 Digital Training Facilities
 - 3 additional DTFs in progress

★ **Soldiers support DL efforts**

★ **Dealing with the required culture changes at senior levels is more difficult than anticipated**

TADLP Courseware Status

Where we were:

FY98-04 CW funding \$179.9M

Where we will be:

FY06-11 \$289M POM

Courseware

- 525 Redesigned courses by FY2010
- TRADOC FY04 redesign priorities:
 - Readiness
 - Officer Education System (OES)
 - Reclassification (DMOSQ) RC focused
- Prioritized by MACOM needs
- SCORM compliant

Maintenance Strategy

Focus:

- Content
- Technical Aspects
- Options:
 - Modify Existing Contract
 - Establish New Contract

Annual DL CW Nomination & Selection

Prioritized Process

- The nomination and selection process facilitates MACOM coordination, understanding and stakeholder 'buy-in' of the FY prioritized CW list.
- Annual DL Workshop End-state: To finalize current FY CW priority list and review next FY CW priority list with full visibility and cooperation.



NCOES Successes with VTT

**28,000 Soldiers have
been trained via VTT in
FY04**

**6,137 NCOES graduated
from VTT Training**

**Classes include NCOES,
Battle Staff, Medical
Certification, First
Sergeants Course,
Language refresher, and
Combat Engineer (IED).**

**Between July 04 and April
05 an estimated 13,000
soldiers will be scheduled
for NCOES via VTT:**

- 3,000 Soldiers in
Europe**
- 1,700 Soldiers in
Korea**

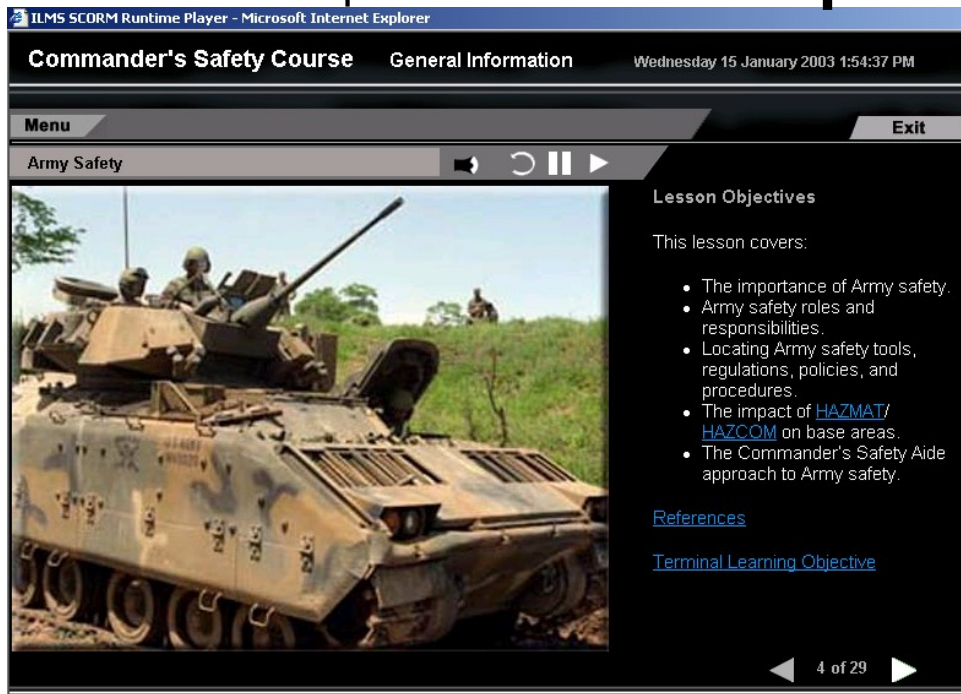
•8,000 Soldiers in

CONUS

Commander's Safety Course

The Commander's Safety Course is a CSA directed initiative and is mandatory training for all incoming commanders at the Company level and higher.

- Course fielded August 02
- **17,153** students have enrolled in the course as of July 04
- Cost \$548K to develop



- **100% Web Delivered** (can be delivered on CD ROM where necessary)
- **5 Modules; 12 Credit Hours**
- **Engaging Delivery**
- **Tough & Realistic Testing**
- **Take Away Tool & Job Aid**
- **Fully Linked to LMS**

Battle Staff NCO Course (BSNCOC)

*Traditionally a 6
week 2 day
resident course at
FT Bliss*

- DL delivery of the BSNCOC began in FY 01
- Course is delivered in 2 phases
- Phase I is delivered via CD ROM
- Phase II is conducted either in residence at FT Bliss
FT McCoy (RC) or DL via VTT at remote locations
 - BSNCOC has been successfully delivered to soldiers in CONUS
 - BSNCOC has been delivered to soldiers deployed to Bosnia, Kosovo, Korea & Germany
- Army Research Institute (ARI) study confirms Soldiers perform equal to resident course based on unit assessment of performance

*Cost \$759K to develop ;
cost avoidance of
~\$2.9M a year*

511 Soldiers Trained in FY 01
601 Soldiers Trained in FY 02
589 Soldiers Trained in FY 03
489 Soldiers Trained FY04 to date
Total Soldiers Trained: 2,190

First Sergeant Course (FSC)

- Historically, the FSC was 5 weeks at FT Bliss
- Piloted in FY99
- Implemented in FY 01
- Prepares selected master Sergeants for duties as a unit First Sergeant



263 Soldiers Trained in FY01
242 Soldiers Trained in FY02
279 Soldiers Trained in FY03
234 Soldiers Trained FY04 to date
1,018 Total Soldiers Trained

**Cost \$535K to develop ;
cost avoidance of
~\$600K a year**

2 Phase Course:

- Phase I Delivered by CD ROM - paper product used as a backup. Self- study with WEB testing through ACCP (Internet delivery working).
- Phase II 5 Training Days - Resident Ft Bliss - USASMA
Four RC TASS Sites - PA, UT, SC, WI
DL - VTT - Resident
Germany, Alaska, Hawaii
Six CONUS classes in FY03 reaching eleven different installations

DL MOSQ Course

~~Example~~ 13P MOSQ Direction Specialist

- Course funded for redesign to DL in FY 98
- Traditionally conducted in residence at FT Sill or TASS locations

169
Soldiers

Graduated

as of Aug
03



Course consists of:

- **176** Academic hours
- **88** DL hours
- **50%** of course is delivered via DL



What is the LMS?



- **The LMS is a web enabled automated information system to assist students, trainers and training managers in the conduct and management of training throughout their Army career.**

Key Army LMS Functions

- Interfaces with other key Army systems for a 'system of systems' architecture (AKO, ATRRS, BCKS, etc.)
- Registration and enrollment of students
- Scheduling resources to course iterations for resident and DL courses
- Identify and reconcile scheduling conflicts
- Monitor automated testing and student progress
- Distribute, deliver, store and present education and training products
- Provide synchronous and asynchronous collaboration
- Maintain training and education records
- Collect and store feedback and evaluations
- Maintain a cataloged database of education and training products and resources

Results of the Army Limited User Test (LUT)

- More than 100 students enrolled in 5 web-based courses and one video teletraining (VTT) course
- The system was tested for during the period 10 Jun – 1 Jul 04 for operability, suitability, and survivability against 11 critical mission functions that will assist all training managers and students in resident training and distance learning
- The LMS met the success requirements established by TRADOC during the test
- The full-rate production decision is planned for late 4Qtr/FY04 with a phased 2 year fielding to all TRADOC schools centers commencing in 1Qtr/FY05

How the Army LMS Will Affect Schools

- As the LMS nears fielding (1Q, FY05) there are significant operational impacts that will affect all aspects of Army training, for example:
 - How classes are scheduled
 - How resources are catalogued and allocated to course iterations
 - How courseware is designed and loaded onto the LMS content server
 - How student progress is monitored, recorded and archived
 - How each proponent will transition from their unique LMS methodology to the common system

Transitioning to the Army

LMS

- Preparations are being implemented to smooth the transition to the new LMS
- Here is what you can look forward to in preparation for the transition:
 - Policy memorandum
 - Concept of Operations document
 - Fielding plan
 - Training Standing Operating Procedures
 - Online training tutorials in vignette format
 - User manuals
- The transition will only be as good as the preparations each schoolhouse invests

DTF Status

267 DTF fielded at CONUS and OCONUS

locations Tech-refresh' begins this year for DTFs fielded in
FY98

DTF Manager Workstation

Same as Student with: Omni Directional Microphone; Document Camera (ELMO); Customized Desk HP LaserJet; HP Color Ink Jet (Scan, Fax Copy, Print); 900 MHz Cordless Telephone

Video Tele-training (VTT) Equipment

2 ea 35" TVs and Cabinets; 30 Frames per second VTT; Student Camera; VCR; Speakers; Automatic Gate; Microphone Mixer; Pentium2-4, 233Mhz - 1.7Ghz CPU; Wireless Mouse; Infra-Red Keyboard; T1 Line (384 KBPS/2 way Audio-Video)

12/16 Student Workstations

Push to Talk Microphones; MS Office 97 Pro; Modular Furniture; Adjustable Chairs; Win NT 4.0 / Win2000; Internet Explorer; Pentium 2-4, 233Mhz - 1.7Ghz CPU; 20Gb Hard Drive; 52 x CD-ROM

DTF Manager Workstation

Deployed Digital Training

Campus **DDTC Deployments: Germany;** **Bosnia; Kosovo; Hungary; Sinai**

“Go anywhere”

- Low weight and compact
- Rapid setup & use in austere conditions
- Fully integrated & Available now



**Portable
in 1
HMMWV!**



- Meets the immediate need for mobile, adaptable, high capacity secure wireless and satellite communications
- High bandwidth ...Deliver any content, anywhere, any time
- Networked with reach back capability
- Plan, rehearse and execute
- Stryker BDE train-up for Iraq deployment
- In block 4 of PM DLS acquisition strategy

Satellite link connects remote sites with any VTT or VTC system globally. DDTC is virtually unlimited in connecting to any other communication technology systems.

DDTC Vision

- Provides 'on demand / call forward' capability
- PM DLS scheduled to begin fielding systems in FY06
- Provide "embedded" individual, collective, collaborative, and simulations based training capability
 - Force XXI Battle Command Battalion/Brigade and Below (FBCB2) Training
 - Squad Laser Marksmanship Training / Sniper Training System
 - Virtual sand-table
 - Two-way interactive VTT using voice over IP
 - Access to all DL based classrooms
- Provide full spectrum connectivity (terrestrial, satellite, and wireless)
- Provide NSA approved secure communications capability
- Highly mobile (HMMWV), small footprint, one soldier 30 min max set-up time

Classroom XXI



Classroom XXI modernizes TRADOC resident classrooms to transmit (push) and deliver DL anytime, anywhere from proponent schoolhouses

- 270 high-tech classrooms scheduled thru FY14
- One Digital Training Access Center (DTAC) per installation
- Current CRXXI classroom fielding status:
 - 54 classrooms fielded (FY98-03)
 - 16 classrooms in progress (FY04)
- CRXXI classroom is TRADOC school asset
- TRADOC is inserting Classroom XXI technology into 110 high tech classrooms in 5 new BCT/OSUT barracks complexes

Lifelong Learning Center (LLC) Initiative

- LLC is the digital hub of the Army's lifelong learning process where standardized proponent content is developed, stored and delivered to Soldiers (AC/RC) and DA civilians, using cost effective mix of new information technologies and education methods.
- Key enabler for:
 - Strategic Plan for Transforming DOD Training
 - CSA Leader Development & Education Focus Areas
 - CSA Army Training & Leader Development Plan (ATDLP) imperatives
 - AOT Initiative
- LLC is integrally linked to Future Combat System, Battle Command Knowledge System, The Army Distributed Learning Program, Army Training Information System, Reimer Digital Library, and the Joint Training System.

Lifelong Learning Center

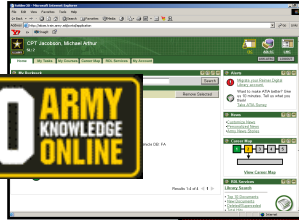


ATIS Vision

Seamlessly integrated, interoperable training information management system with a common database & set of services supporting the requirements of the ATIA-Operational Architecture (OA) configurations

ATIS Operational Vision

SOLDIER TRAINING HOMEPAGE



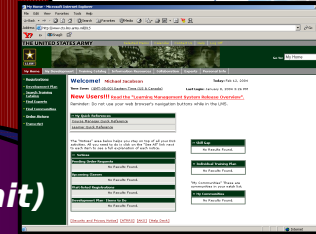
- ✓ Single access point through AKO
- ✓ RDL
- ✓ Multiple user access enablers

TRAINING DELIVERY

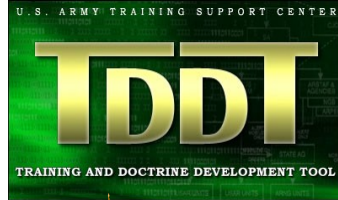
Digital Tech Tng Program
Digital Training Facility
Deployed Digital Training Campus



LEARNING MANAGEMENT SYSTEM



TRAINING AND DOCTRINE DEVELOPMENT TOOLKIT



TRAINING DATA & COURSEWARE

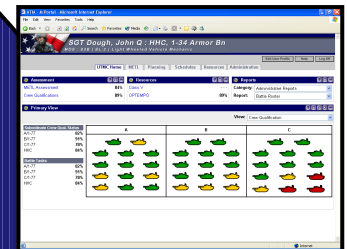
Soldier Data (Institutional/Unit) Training Data

ATIS
Common
Data Access

DA LEVEL MNGT
PEOPLE
FACILITIES
AMMO

- ✓ Resident/Non-Resident Training Management
- ✓ Unit Training Management
- ✓ METL Development
- ✓ Capabilities based training planning

UNIT TRAINING MNGT CONFIGURATION



LIFE LONG LEARNING CENTER (ATIS DISTRIBUTED Db)



- ✓ Doctrine
- ✓ Individual Tasks
- ✓ Collective Tasks
- ✓ Individual TSPs
- ✓ Combined Arms Training Strategies
- ✓ POIs
- ✓ DL Courseware

TRAINING/DOCTRINE DEVELOPMENT

TRAINING MANAGEMENT



ATIS Current Status

- Learning Management System (LMS)
 - Completed Limited User Test 1 JULY 04 (ATEC report by early AUG 04)
 - ASARC decision as early as SEP 04
 - Fielding commences 1st Qtr FY05
- Training and Doctrine Development Toolkit (TDDT) (ASAT Replacement)
 - Currently in limited use by FCS training developers
 - Expected fielding 2nd Qtr FY05
- Unit Training Management Configuration (UTMC) (SATS Replacement)
 - The Digital Training Management System (DTMS) currently undergoing proof of principal (PoP) to deliver UTMC functional requirements
 - Based on December 03 TLGOSC recommendation that TRADOC review for ATIA compliance and submit for pilot funding

ATIS Current Status (cont)

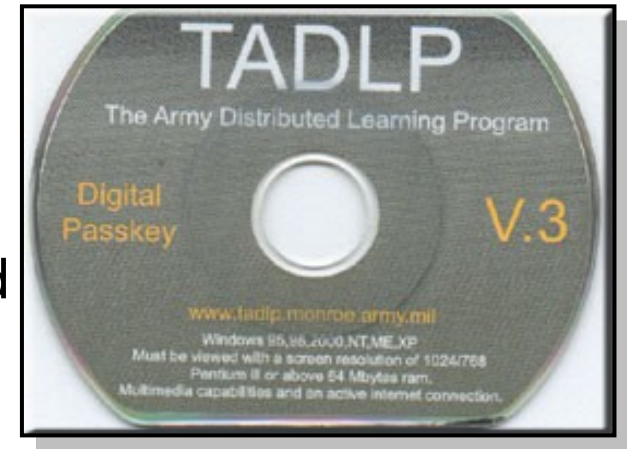
- Lifelong Learning Center (LLC)
 - Funding for two prototype LLCs approved in FY06
 - Distributing Ft Gordon LLC monies across TRADOC to scale existing capabilities in accordance with master plan
- ISERA Scheduler Pilot
 - ISERA pilot at USAOS&C scheduled for evaluation 1st Qtr FY05
- Joint Knowledge Development Distribution Capability (JKDDC) Portal
 - Serves as single authorization and authentication point for access to DoD wide DL content.
 - Will host Joint DL catalog initiative as directed by CG TRADOC
- Army Training Information System (ATIS) ORD
 - World-wide staffing period closed 9 July 04 currently consolidating comments
 - Anticipated delivery to Pentagon Sep 04

ATIS Future Development Strategy

- Implement a “system of system” enterprise management structure
 - Align key stakeholder responsibilities to effectively develop and sustain an enterprise training management system
 - Develop system of systems approach for requirements / configuration management process
 - Gain key “stakeholder” agreement on ATIS architectural vision
- Gain decision on ATIS materiel developer ASAP
 - ATSC/TDADD information briefing to BG Sorenson 21 July 04 (Deputy Director ASA-ALT for Systems Management)
- Gain DA concurrence on ATIS ORD (2nd Qtr FY05)

Digital Passkey (DPK)

- The TADLP DPK was developed and produced by TRADOC's Training Development and Delivery Directorate
- The DPK has information and resources about The Army Distributed Learning Program, as well as links to a wide array of training and educational resources. It also information on access to the latest DL courseware and technology



DPK features:

• Numerous DL related links

- Worldwide listing and contacts for DTFs
- Interactive wallpaper with DL content
- Links to PERSCOM, Army news, training, and other opportunities
- Links to DL programs of the Air Force, Navy and Marines

**Access to Army
Training Anytime,
Anywhere**

• TADLP promotional video

TADLP Bulletin

- The TADLP provides the latest information and news on DL policies, lessons-learned, business practices and successes
- The e-publication provides comments on current TPIO priorities



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TADLP Benefits

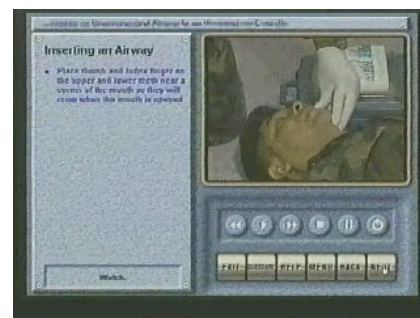
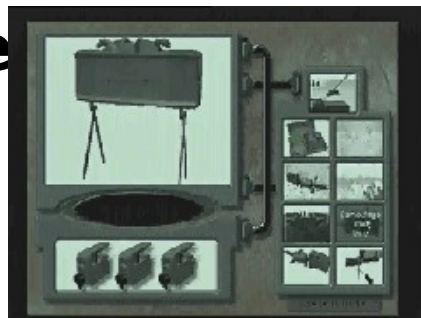
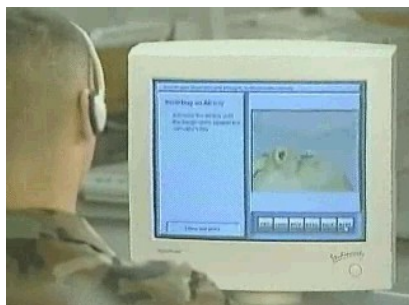
Leveraging Information Age Technologies for Training:

- Improved readiness
- Continuous training environment throughout career
- ATIS provides the foundation for life long learning
- Integration with BCKS facilitates development and distribution of critical training
- DDTC and DTF fielding provides training anytime, anywhere; reduces time soldiers are away from unit/home
- Training efficiencies leveraged through multimedia and immersive training products
- Significant training cost avoidances
- Standardized RC and AC training
- Manual's, collective / individual tasks and reference materials on demand
- Accessibility to online higher education courses
- Quicker & wider dissemination of updated training materials
- More realistic simulations with many more real life players

Back Up Slides

DL Courseware Status

- 260 TADLP courses funded FY98-04:
- 104 TADLP courses fielded
- DL CW redesign priorities for FY04:
 - Readiness
 - Officer Education System (OES)
 - Reclassification (DMOSQ) RC



Annual DL CW Nomination & Selection

~~Ann~~Processes

MACOMs (NGB, AR, FORSCOM, MEDCOM, TRADOC, USASOC)

- Nominate new courses for DL redesign NLT 30 September
- Submit request for a course(s) to be reprioritized on approved DL Master Redesign Course List NLT 30 September

TRADOC-TPIO

- Compiled lists--forward to MACOMs and proponent schools for review NLT 15 January

MACOMs and Proponent Schools

- Review and comment on courses NLT 15 February

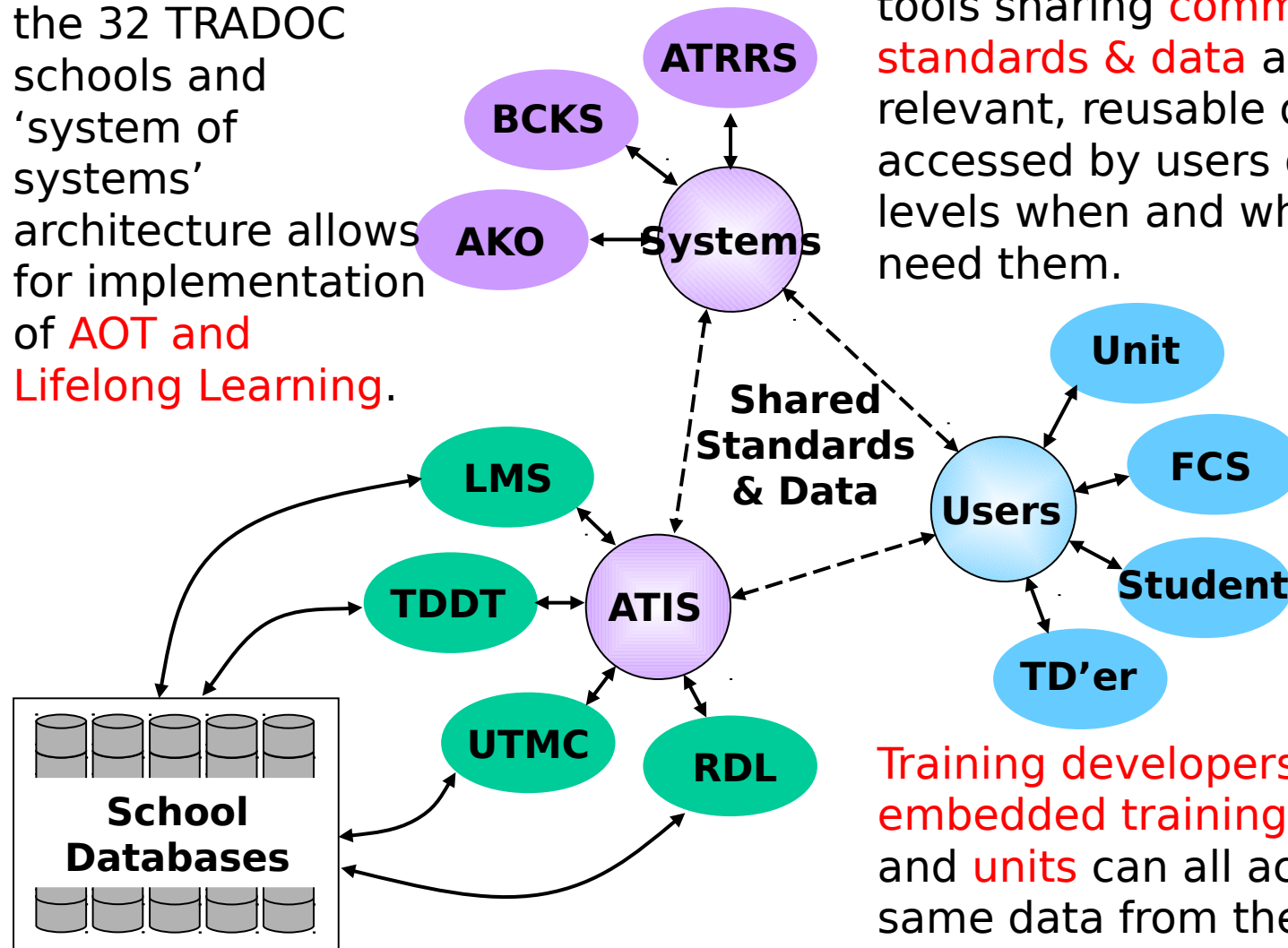
TRADOC-TPIO

- Reconcile school input with CG TRADOC guidance NLT 1 March
- Host annual CW prioritization workshop NLT 15 March

Operational Concept of ATIS

Lifelong Learning Centers at each of the 32 TRADOC schools and 'system of systems' architecture allows for implementation of AOT and Lifelong Learning.

Systems, users & training tools sharing **common standards & data** allow relevant, reusable data to be accessed by users on all levels when and where they need them.

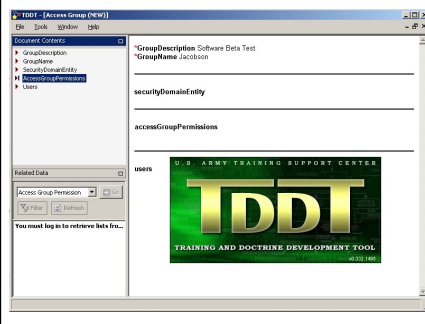


Training developers, students, embedded training systems and **units** can all access the same data from the same source.

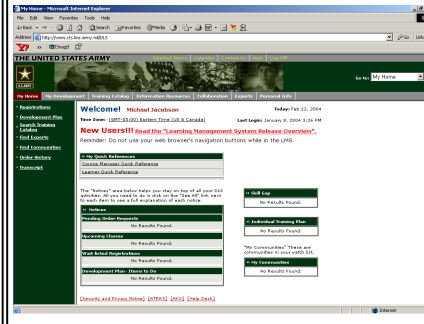
ATIS Product Suite

The Foundation of Life-long Learning

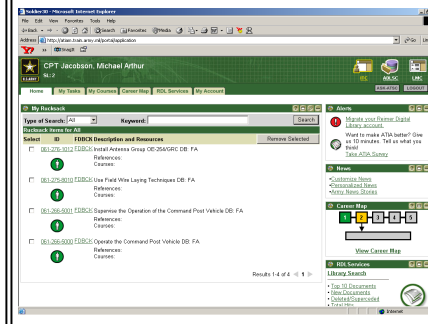
Training & Doctrine Development Tool (TDDT)



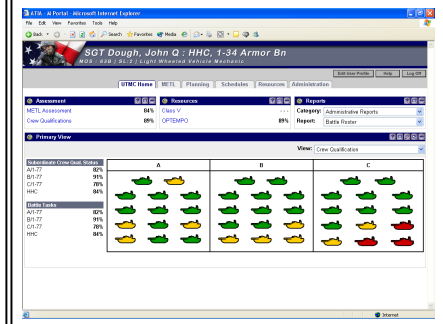
Learning Management System (LMS)



Soldier Training Homepage (aka RDL)



Unit Training Management Configuration (UTMC)



MTP
 STP
 TSP
 Lesson Plan

DL Courseware
 Training Mgmt.
 Resident
 Non-Resident

MTP
 GTA
 Career Map
 FM

METL
 Training Schedule
 Admin

Common Core Services

Digital Library / Data Repository

TDDT

Training and Doctrine Development Tool (TDDT) provides the processes and actions required to **develop and edit selected training and doctrine materials** from inception and planning to the point where the material is complete and ready to deliver to soldiers and leaders in training, operational and self-development domains.

Document Map

Document Type Menu (Pull-Down)

Document Component Selection Menu (Drag and Drop)

Document Production Window

Document Contents

- Task Number
- Task Title
- Domain
- TD Proponent
- Task Status
- Status Date
- Approval Date
- Effective Date
- Task Type
- Distribution Restriction
- Related Persons
- Condition/Standard
- Standard Degradation Text
- Performance Steps
- Performance Measures
- References
- UJTL/AUTL
- BOS
- Echelon
- Functional Area
- LIAs
- Material Items
- OPFOR Tasks

Related Data

Assoc Document Collective [Go] [Filter] [Refresh]

Distribution Restriction

Related Persons

Approver Sequence	Person	Functional Type
1	*****	Proponent

Condition/Standard

Condition	Standard	Type
CHS operations have commenced. Unit personnel are deployed in support of higher HQ operations. The unit's sleep plan and SOPs to manage BF soldiers have been developed. Personnel have been cross-trained in all tasks. Operations are continuous (24/7) over a period of time causing stressful conditions on personnel. The commander has directed that stress management procedures be implemented. SCPE is on hand and or field expedient and natural shelters are available. NOTE: Due to the technical knowledge and skills required to perform some MOS-specific tasks, caution must be exercised when cross-training personnel. For instance, nonmedical personnel cannot be cross-trained to perform MOS-specific medical tasks.	Unit applies techniques that counter battlefield stress. At MOPP level 4, performance degradation factors increase the need for stress prevention implementation.	STND

Standard Degradation Text

Performance Steps

1. Commander and leaders perform stress prevention leader actions.
 - a. Issue warning orders, OPORDs, and FRAGOs to the lowest possible level.
 - b. Provide soldiers an accurate assessment of the friendly and enemy situation.
 - c. Brief leader's intention to all unit personnel.
 - d. Speak positively concerning the unit's missions, purpose, and abilities.
 - e. Encourage a positive attitude throughout the unit.
 - f. Institute an information dissemination plan designed to quell and prevent rumors.

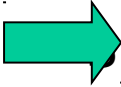
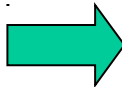
How Is LLC Different Than Other DL Initiatives

LLC is an integration of DLS, not a duplication of other DL-based initiatives

- PM DLS develops/fields/sustains DTFs & LMS capabilities
- LLC integrates DTF & LMS capabilities as key component of the overarching Army DL Program
- CRXXI modernizes existing TRADOC classrooms with state-of-the-art technology capabilities
- LLC integrates CRXXI capabilities as key component of the overarching Army DL Program
- DL courseware funds courseware redesign/development/fielding
- LLC integrates DL courseware as a key component of the overarching Army DL Program, allowing proponents to maintain ownership of training content while making it accessible to the Army

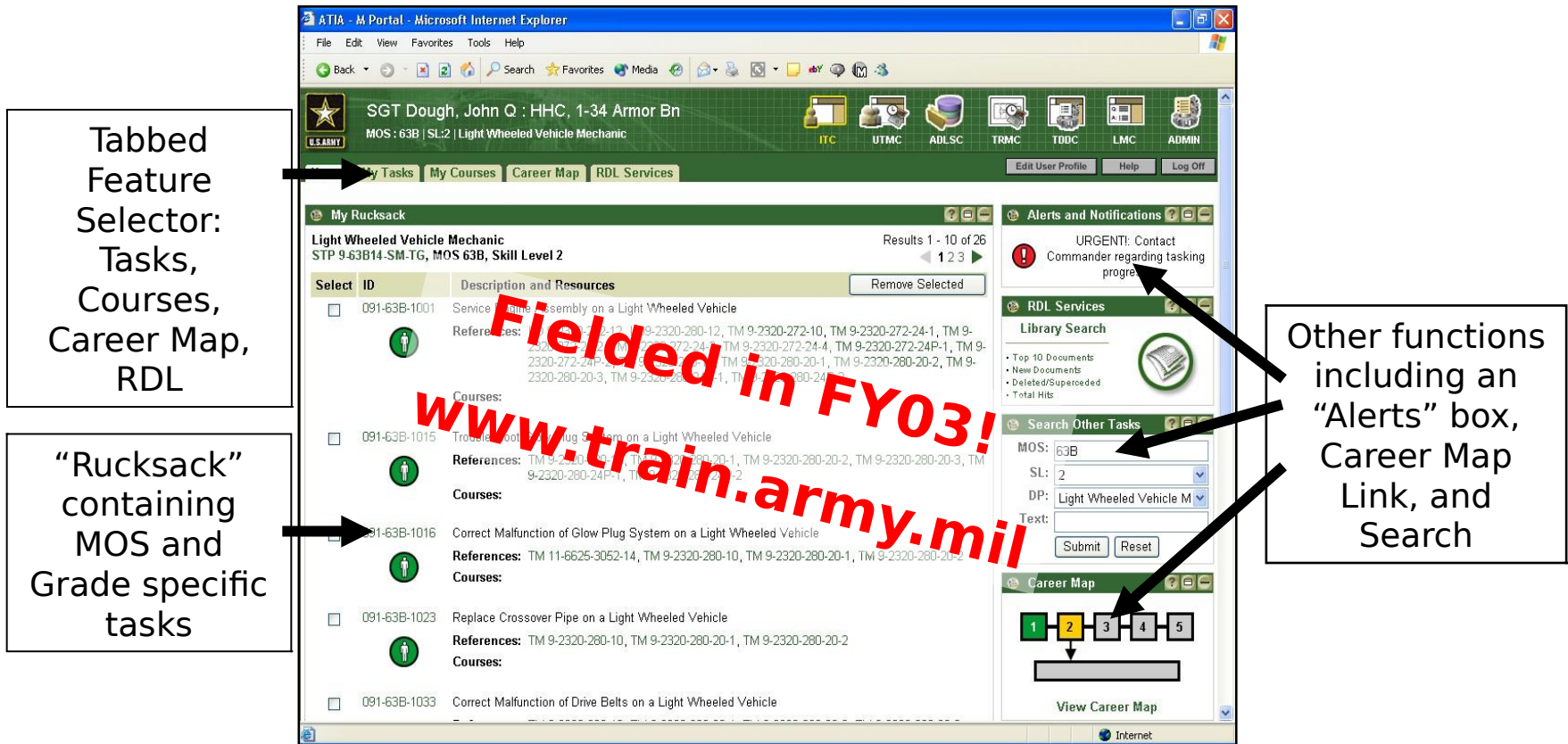
“Common DL binding thread”

LLC Initiative Impact to Army

- Enhances AOT  Supports AIT  Optimizes IET
- Readiness enabler, providing Soldiers education and training “anytime, anywhere”
 - Generates Army Trainees, Transients, Holdees, and Students (TTHS) cost avoidance
 - Reduces the need to return Soldiers to the TRADOC schoolhouse for resident instruction
 - Mitigates Training Development challenges
 - Soldiers in the foxhole can reach back to proponent to draw upon knowledge stored in the LLC
 - Supports Soldier and unit readiness with specialized training for current/next assignment
- Services whole Army, providing the opportunity and access for standardized training throughout the Army

Homepage

Soldier Training Homepage provides a portal for an individual to manage and review their training data , career map, promotion worksheet and individual & collective tasks. It provides access to FM, MTP, ARTEP, TSP, GTA, etc. through the Reimer Digital Library (RDL) tab button.



UTMC

Unit Training Management Configuration (UTMC) provides the functionality to analyze, **manage**, plan, **conduct**, **evaluate**, and provide feedback on **unit training**.

The screenshot shows the UTMC web application running in a Microsoft Internet Explorer browser. The user is logged in as SGT Dough, John Q, from the HHC, 1-34 Armor Bn. The interface includes a tabbed feature selector at the top with options: UTMC Home, METL, Planning, Schedules, Resources, and Administration. Below this are three main sections: Assessment, Resources, and Reports. The Assessment section shows METL Assessment at 84% and Crew Qualifications at 89%. The Resources section shows Class V and OPTENDO at 89%. The Reports section has a dropdown menu for Category (Administrative Reports) and a dropdown for Report (Battle Roster). The Primary View section shows a table of Subordinate Crew Qual. Status and a grid of tank icons representing different units. A large red watermark "Design Completed!" is overlaid on the grid.

Tabbed Feature Selector: METL, Planning, Schedules, Resources, Admin

Status boxes

Crew Quality Summary

Reports

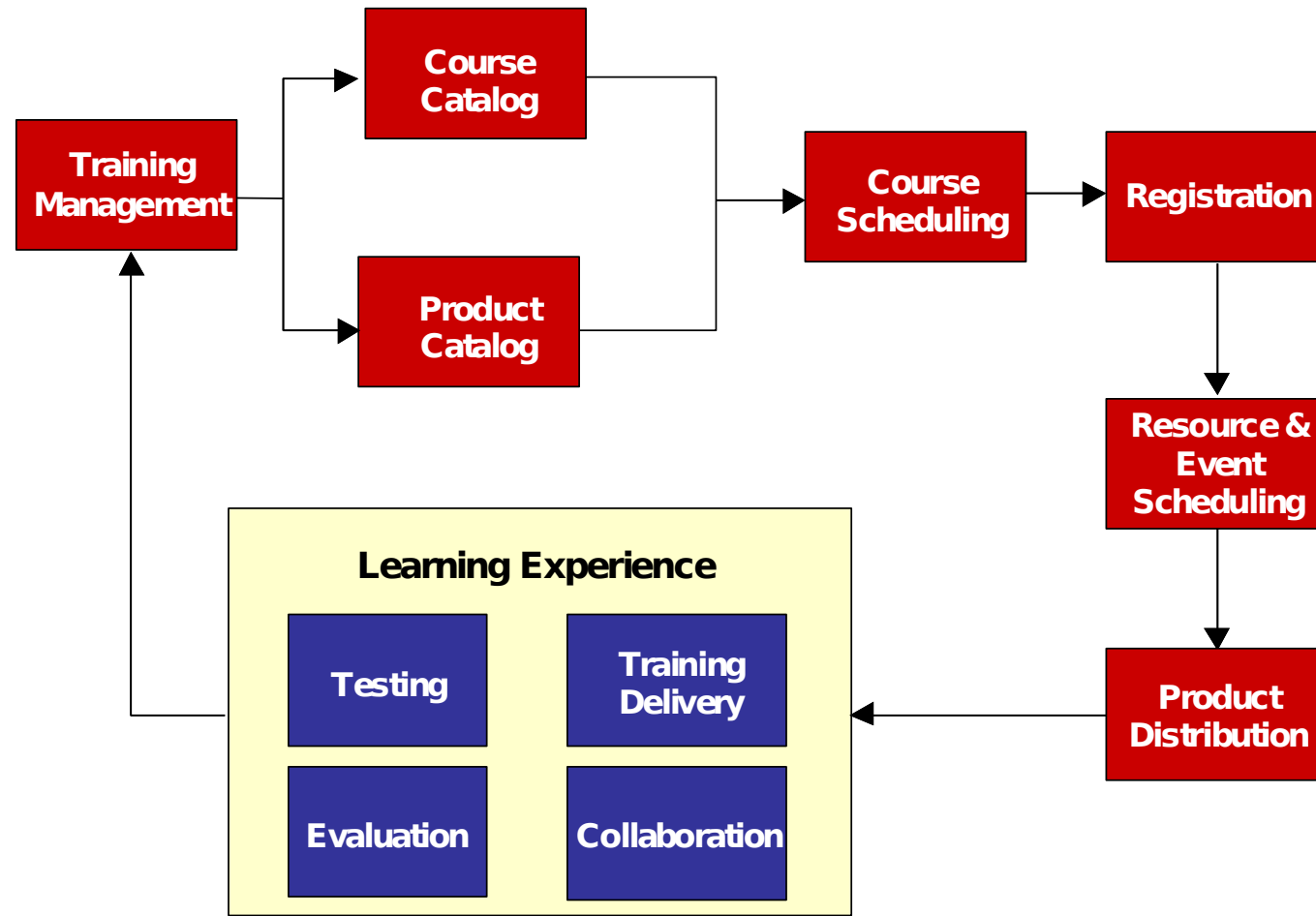
Design Completed!

Subordinate	Crew Qual. Status
A/1-77	82%
B/1-77	91%
C/1-77	78%
HHC	84%

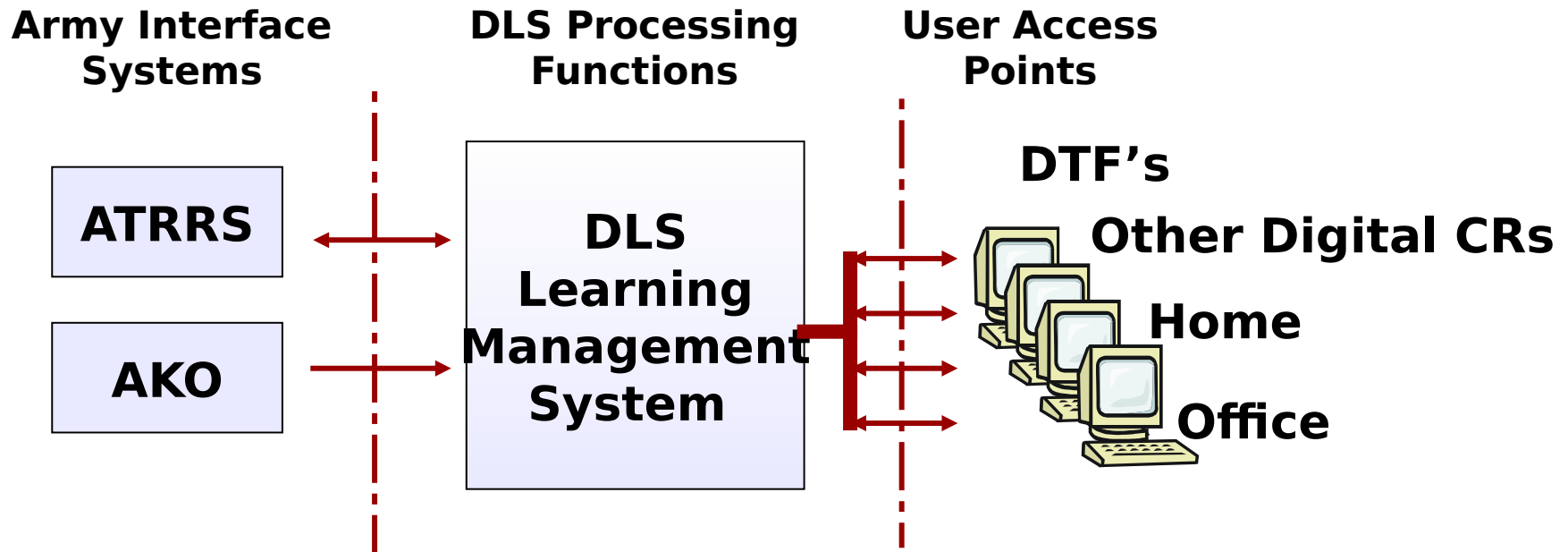
	A	B	C
A/1-77	82%		
B/1-77	91%		
C/1-77	78%		
HHC	84%		

LMS Major Functions

LMS represents 11 major training management functions



LMS Interfaces



**ATRRS = Army Training Requirements and Resources System;
AKO = Army Knowledge Online**

LMS

Learning Management System (LMS) The LMS delivers standardized **individual training** to Soldiers, providing a fully **automated**, **seamless** and **web-accessible** training and education network

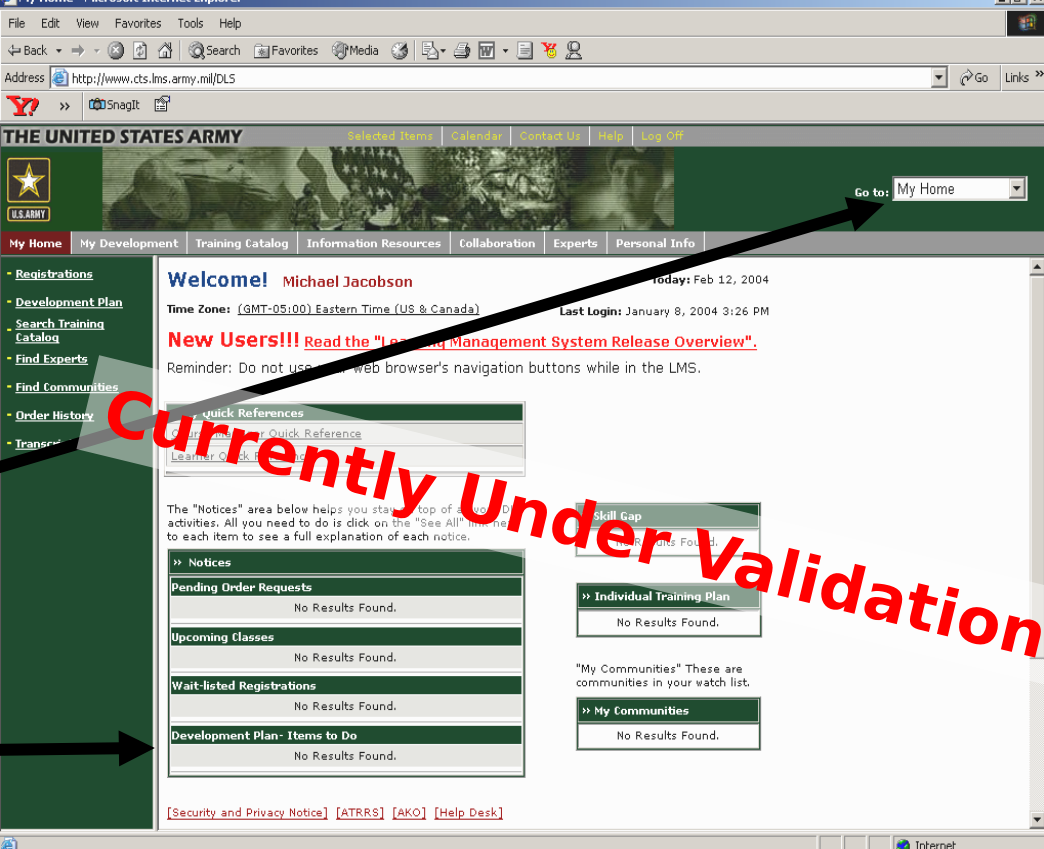
Tab Buttons for:

- Enrolled Courses
- Collaboration
- Course Catalog
- Subject Matter Experts

Dropdown Menu for LMS Roles:

- Course Manager
- Class Manager
- Scheduler, etc.

Content & Process Display Area



Currently Under Validation!

LMS Functionality (Increments 2&3)

Major Categories

Deferred Functionality Description

ATIA Interface	Scheduling	Notification Requirements	Full Reporting Functionality	Remaining Base System Modification Requirements	Student Generated Learning Material Stora	Collaboration	This is a learning method that involves one or more groups of individuals (a team) who together complete a learning activity.
							Storage of student produced products as required by the education / training courseware.
							These are changes to the baseline configuration of COTS software / hardware needed to bring to bring the final production LMS configuration into full compliance with the functional requirements.
							The generation of standardized reports from information residing in the data base, compiling ad hoc reports and building report templates.
							<i>Automated process to provide information and data to system users as needed to perform their education / training roles as defined in the ATIA-OA.</i>
							This is the unit and individual education / training management activity of ensuring the specific units, people, things (equ materials, etc.), and site(s) (facility) are available for use to crea implement the education/training when needed (time and
							The connectivity linkage and transfer of information / data between the ATIA database and other databases.

Current Concept

- **Total projected system requirement (55 systems)**
- **Fielding priorities:**
 - Operational HQs (UEy) - in direct support of operational commander's training priorities
 - Regional MACOMs - to meet emerging DTF requirements exceeding current capacity
 - TRADOC - to support surge in DL requirements
- **Provide “embedded” individual, collective, collaborative, and simulations based training capability**
 - FBCB2 Training
 - Squad Laser Marksmanship Training / Sniper Training System
 - Virtual Tactical Battle-Space Training System “virtual sand-table”
 - Two-way interactive VTT using voice over IP
 - Provide full spectrum connectivity (terrestrial, satellite, and wireless)
- **Provide NSA approved secure communications capability**

Current Funding and Fielding Schedule

- Current estimated cost per system \$500K - \$750K
- PM DLS current funding for deployables FY05 – FY11 \$21.8M
 - Initial fielding of 4 systems 1st QTR FY07
 - Total fielding approximately 35 systems by FY11
- Current funding delta based on fielding concept (total 55 systems), \$13M (20 systems)
- Continuing to seek additional funds from DA and through current PM DLS program dollar reprioritization.

The Army Learning Management System

Phase 1 ~~System~~ Sequence

Site Location	Major School/Center
Ft. Leonard Wood, MO	MANSCEN
Ft. Gordon, GA	USASC
Ft. Eustis, VA	USATS/AVLOG
Ft. Knox, KY	USAAS
Ft. Sam Houston, TX	AMEDD
FT. Huachuca, AZ	USAMIS
Ft. Leavenworth, KS	CGSC
Ft. Benning, GA	USAIS
Ft. Sill, OK	USAFAS
Aberdeen Proving Ground, MD	USAOMS
Ft. Bliss, TX	ADA/SMA
Ft. Jackson, SC	USASSI
Ft. Lee, VA	CASCOM
Ft. Rucker, AL	USAAVS
Ft. Bragg, NC	USAJFKSWC
Redstone Arsenal, AL	USAOMMS
Charlottesville, VA	JAG School
Carlisle Barracks, PA	Army War College

Collaboration Sub Functions

- Complete a learning activity
- Synchronous/Asynchronous instruction
- Synchronous class meetings
- On-line Presentations
- Recordable synchronous sessions for later viewing by student

Remaining Base System

~~Modification~~ *Requirements Sub Functions*

- Reserving Digital Training Facilities (DTF) workstations for individual self study
- Assign individual workstations for DTF rooms assigned to a class
- Web interface for DTF workstation assignment for walk-in student
- Modification to the Graphics Unit Interface (GUI) to support Student Generated Learning Management Storage (SGLMS)
- Modify the SABA authentication class to execute the authentication code on the SGLMS
- Prompt user for time zone at log in

Notification Requirements Sub Functions

- Waitlist Subprocess Flow - Notify Course Manager (CM) and Owner of Update
- Course Catalog - Notify CM and Owner of Update
- Course Catalog - Course Change
- Product Catalog - Notify CM of new product
- Product Catalog - Notify CM of update
- Product Catalog - Reorder product
- Product Catalog - Product Catalog Availability
- Registration - Notify Learner and Learner's Unit Training Manager (UTM)
- Registration - Notify learner of approval of request
- Registration - Notify Learner, UTM of disapproval of request
- Registration - Notify Learner, UTM, CM, Class Manager and Instructor
- Registration - Notify Learner, UTM of account activation
- Registration - Notify Learner, UTM of wait list
- Registration - Notify Quality Management (QM)
- Registration - Notify Learner, UTM
- Registration - Registration

Notification Requirements Sub

Functions (cont)

- Registration - 5 day registration requirement
- Registration - Waitlist Subprocess Flow
- Registration - Request Approval Subprocess Flow
- Registration - Waiver Subprocess Flow
- Registration - Maintain Reservation Subprocess Flow
- Resource and Event Scheduling - CM will notify recipient that schedule can be viewed by accessing the system
- Resource and Event Scheduling - ATRRS DTF scheduling notification
- Product Distribution - Notify recipient with URL of material
- Product Distribution - Notify Recipient, CM, Instructor, and DTFM
- Product Distribution - Notify CM, Product Distributor (PD) to get additional inventory
- Product Distribution - Reorder product
- Product Distribution - Product reorder not updated
- Product Distribution - 14 day address validation
- Product Distribution - Determine Product Requirements Sub process Flow
- Training Delivery - Notify Learner, Instructor, or SME of

Scheduling Sub Functions

- Schedule class start/stop date within courses
- Modifies starts to achieve best fit of resource allocations
- Report conflicts of resources and suggest alternate training
- Schedule non-POI events
- Include holiday/special training events (static) that impact on training and/or resources
- Suggest conflict resolution
- Create reports identifying class start and graduation dates
- Allow co-use of training resources
- Allow overlap of facilities
- Schedule courses be resource preference IAW published priority list from information contained in Master Training Schedule to produce a Master Training Plan
- Provide interactivity between various school training activities e.g.: Central Scheduling, ATRRS Manager, resource providers, course managers, commanders and their staff

Scheduling Sub Functions (cont)

- Support shared training events (coordinate separate courses into one training event to maximize shared training) both POI and non-POI
- Publish POI and non-POI training schedule electronically and hard copy.
- Publish detailed final schedules from Master Training Plan.
- Requests for change must be easily identified as a request versus approved
- Requested change (TRAP, MOB, special event, fill pattern change) must be approved through hierarchal means and must follow chain of command
- Means to change must coordinate resources and report alternatives. Change effected must be coordinated with appropriate users
- Approval/Disapproval/Modify request for change must be hierarchal, and notify user/providers of change

Scheduling Sub Functions (cont)

- Must have audit trail to record date/time/user of all actions pertaining to the requested change
- Must notify users of change as well as resource provider
- The scheduling program administrator must be the control for the read/write capability
 - Request Change
 - Approve/disapprove change
 - Change resource requirement (vs. date/time)
 - Read only
 - Change student load
- Creation of reports
 - Resource Utilization
 - Hard copy schedule by class, event, resource, students, etc
 - Resource availability by capability (Classroom, shop, recovery ranges, individual vehicle (by bumper number), resource limitations, cost)
 - Cos

Scheduling Sub Functions (cont)

- Hardcopy view of classes/resource utilization (time line)
- Modifies starts to achieve best fit of resource allocations
- Report conflicts of resources and suggest alternate training
- Schedule non-POI events
- Include holiday/special training events (static) that impact on training and/or resources
- Suggest conflict resolution
- Create reports identifying class start and graduation dates
- Allow co-use of training resources
- Allow overlap of facilities
- Schedule courses be resource preference IAW published priority list from information contained in Master Training Schedule to produce a Master Training Plan

ATIA Interface Sub Functions

- Provides interface with ATIA the Army objective common training database (Ability to operate seamlessly with other ATIS configurations)
- Provides data interface with objective training development configuration TDDT
- Provides data interface required to deliver DL content from multiple locations`